

The abstract of the disclosure

Disclosed are a protein having a transglutaminase activity, which  
comprises a sequence ranging from serine residue at the second position  
5 to proline residue at the 331st position in an amino acid sequence  
represented by SEQ ID No. 1 wherein the N-terminal amino acid of the  
protein corresponds to serine residue at the second position of SEQ ID  
No. 1, a DNA encoding the protein, a transformant having the DNA, and a  
process for producing a protein having a transglutaminase activity,  
10 which comprises the steps of culturing the transformant in a medium.  
The protein can be produced in a large amount with the transformant  
using a host such as E. coli.